

March: in like a lion



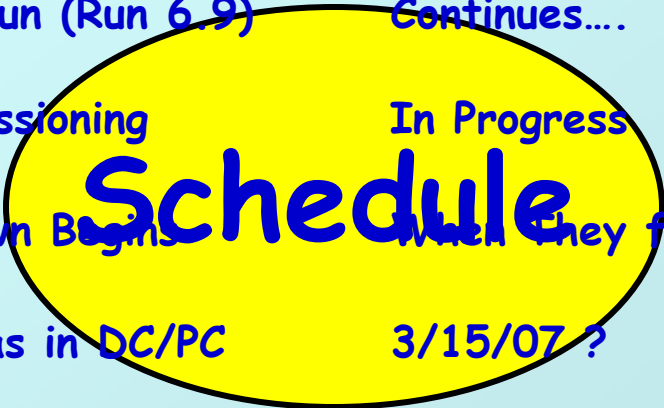
# PHENIX WEEKLY PLANNING

3/1/2007

Don Lynch

Out like a lamb





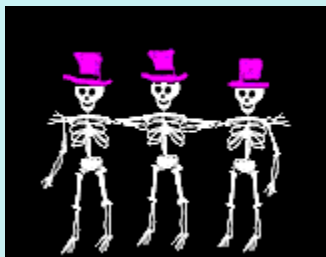
●	Cosmic Ray Run (Run 6.9)	Continues....
●	All Up Commissioning	In Progress
●	RHIC Cooldown Begins	When they find the problem
●	Flammable Gas in DC/PC	3/15/07 ?
●	Re-Start 5 man shifts	3/20/07
●	Beam:	blue ring 3/19/07?, in yellow 3/26/07
●	Start of Physics Run	4/2/07
●	MuTr FEE upgrade prototype	5/1/07

# Cosmic Ray Run

## Cosmic Ray Run



Continues.....



# Commissioning in Progress

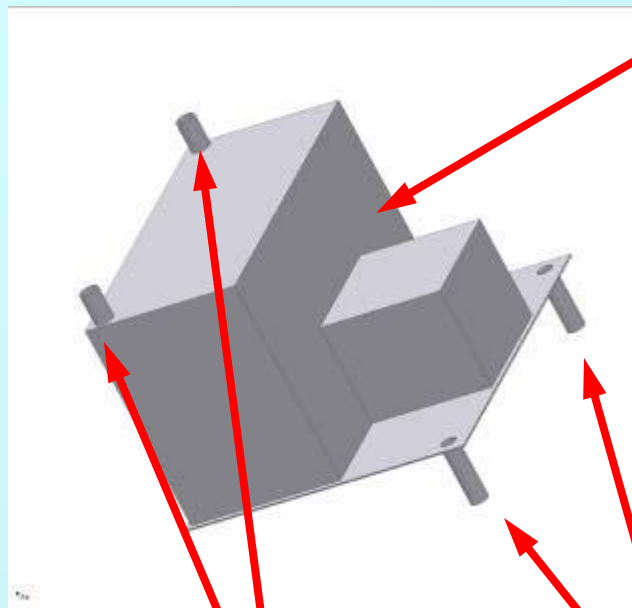
## Detector Commissioning



T  
E  
C  
H  
N  
I  
C  
A  
L  
S  
U  
P  
P  
O  
R  
T  
+  
N  
O  
O  
T

# CM Lift Table Mod for DC East Repairs

T  
E  
C  
H  
N  
I  
C  
I  
A  
N  
S  
U  
P  
P  
O  
R  
T  
+  
T  
O  
O  
L  
S

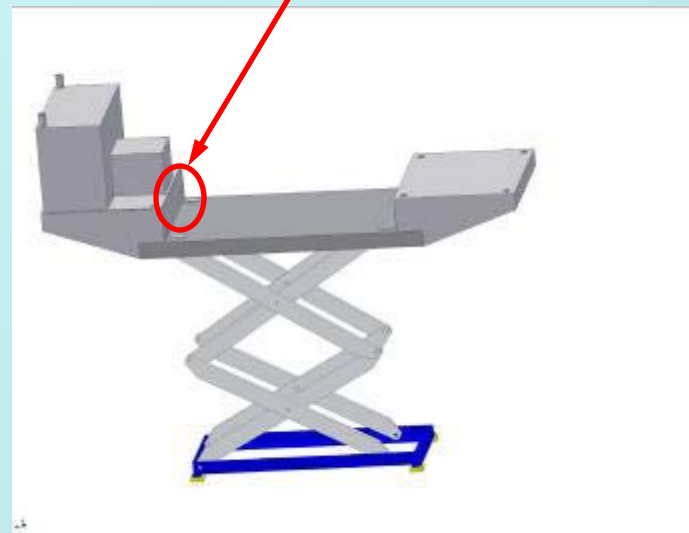


Wing extension  
Step augmentation  
In progress at  
Central Shops

Hinge for west side wing  
extension DONE

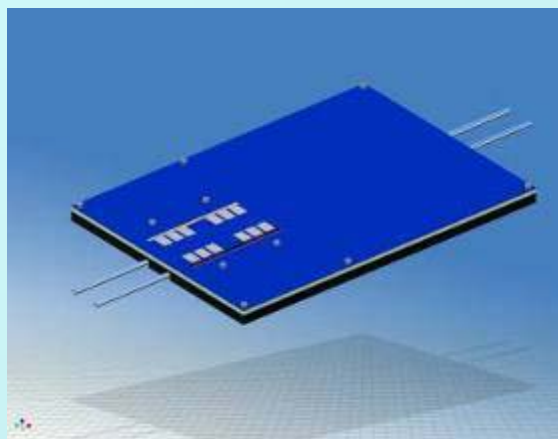
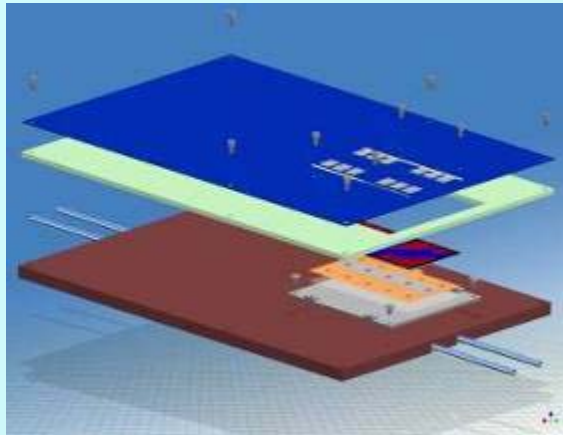
Holders for safety rail

Pins to align and secure to lift  
table wing extension



# VTX Prototype Test

Technical Support 2007



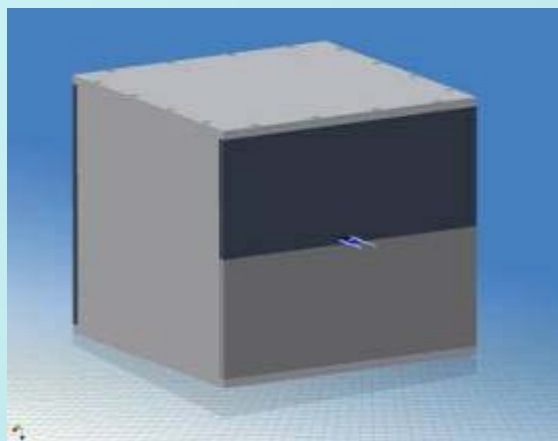
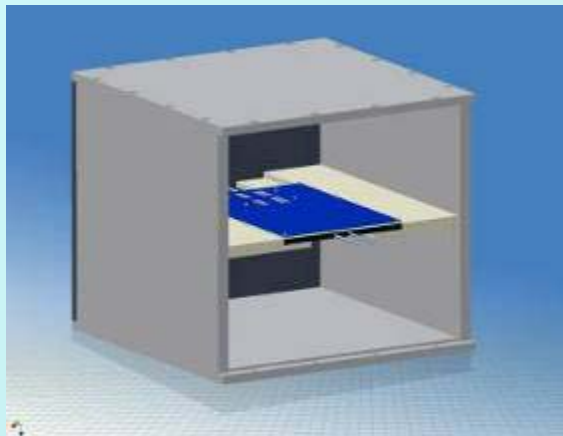
Drawings Done

Fabricate box at 1008  
(Carter B.)

Complete by 3/6

Assemble

Test





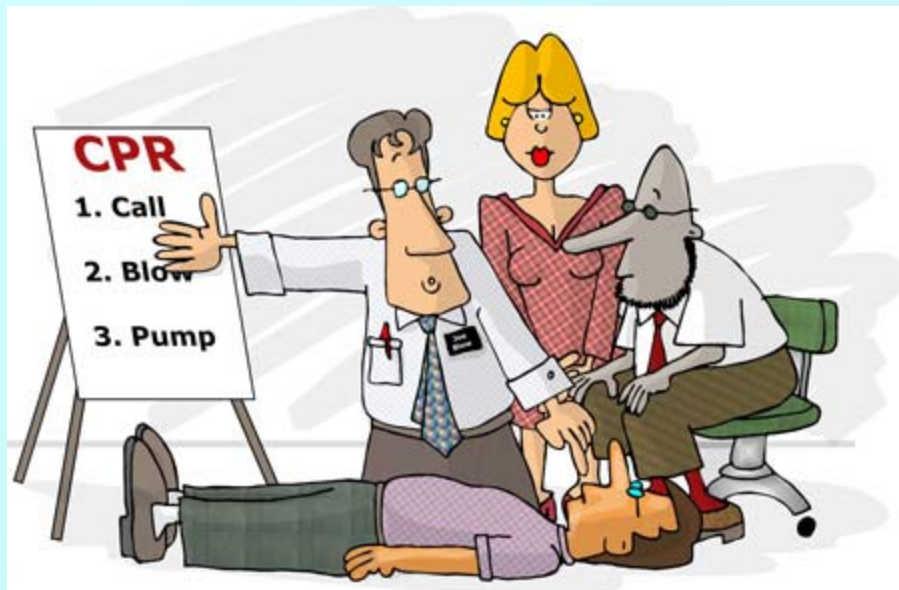
# Procedures Review

2nd cut review of documents  $\frac{1}{2}$  done:

- 145 (POTENTIAL) controlled procedures total (2nd Cut)
- 107 controlled procedures, 10 CA OPM (2<sup>nd</sup> cut). 28 "Other"
- 106 have at least photo copy of some version
- 86 have approval signatures on some revision
- 53 designated for retirement, others to follow

Efforts Continuing.....

T  
e  
c  
h  
n  
i  
c  
a  
l  
S  
u  
p  
p  
o  
r  
t  
+  
2  
0  
0  
7



# Safety

No CPR class at 1008 .

Near future training  
schedule:

March 1, March 5,  
March 8, March 13, and  
March 15. All classes  
begin at 1:30 PM. Can  
register on-line at

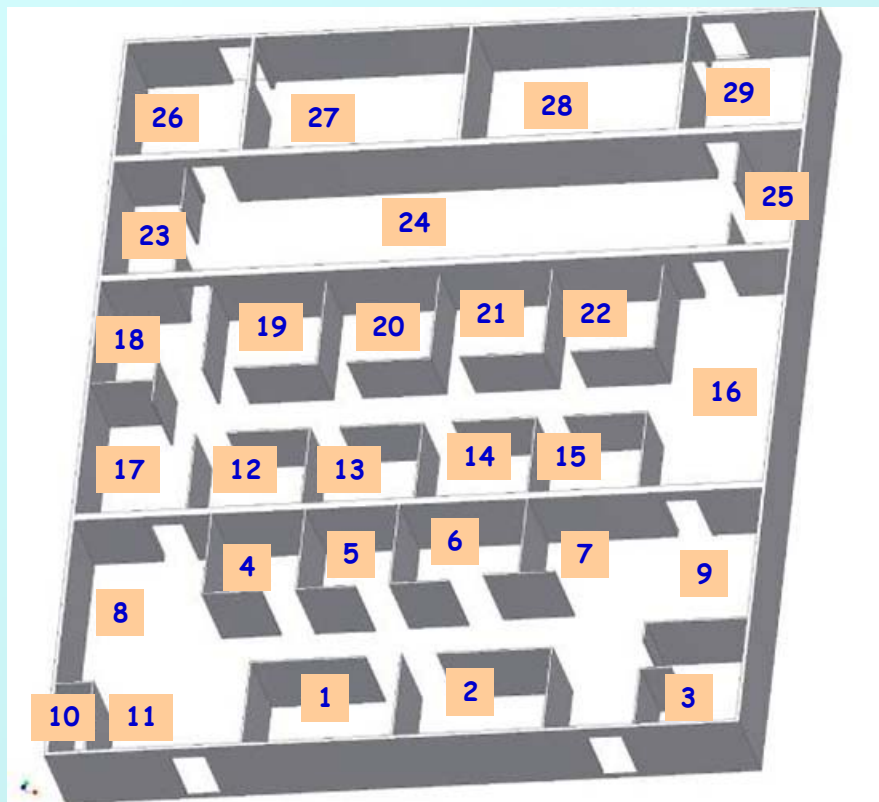
[http://training.bnl.gov/  
Schedule/calendar.htm](http://training.bnl.gov/Schedule/calendar.htm).



# Trailer Office Space Allocation

## Space Allocation

1. Safety Engr P. Giannotti (PG)
2. Run Coordinator/Chief Engr
3. Documents (PG)
4. Electrician: M. Rau
5. Mu Tracking (M. Leitch)
6. EMCal
7. HBD (C. Woody)
8. Documents (PG)
9. Trailer Conference Area (PG)
10. Computer Network Cage (PG)
11. Printing & Fax (PG)
12. PC
13. RXNP (W. Xie)
14. TOF Aerogel
15. RICH
16. BBC
17. TEC
18. TOF West (S. Huang)
19. DAQ /Trigger
20. DAQ
21. DC
22. EMCal
23. ??? (S. Batsuli)
24. Analysis Center (RC/PC)
25. MPC (M. Chiu)
26. Storage
27. Ladies' Bathroom (C-A)
28. Men's Bathroom (C-A)
29. Storage



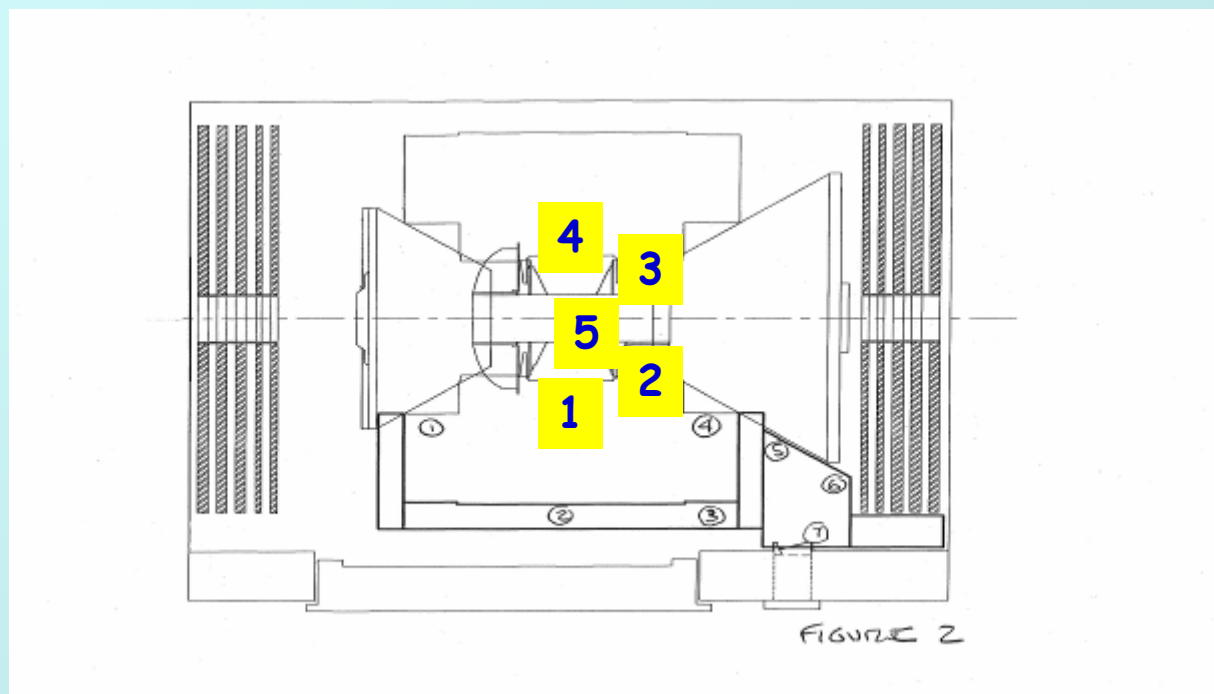
Need: a contact person for each cubicle  
put unwanted equipment in "area 8" for disposal  
storage space for wanted equipment needed

# Magnet Fringe Field Tests

Case 3: Muon magnets N&S on & normal polarity EC & WC Open

*All fields measured below 50 gauss except locations 1 - 5 below*

1-4 are at track level, 5 is at HBD level outside HBD only 5 above 100 gauss (120 gauss), other locations are below 70 gauss

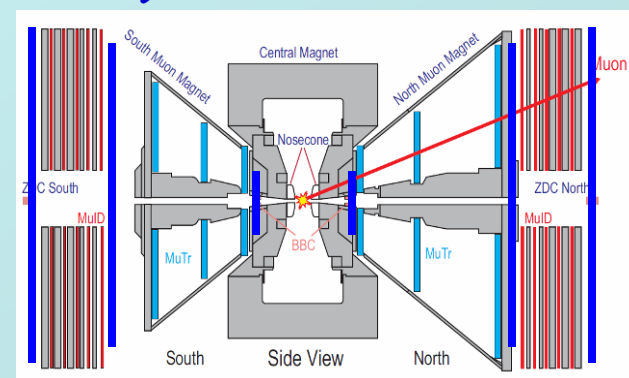
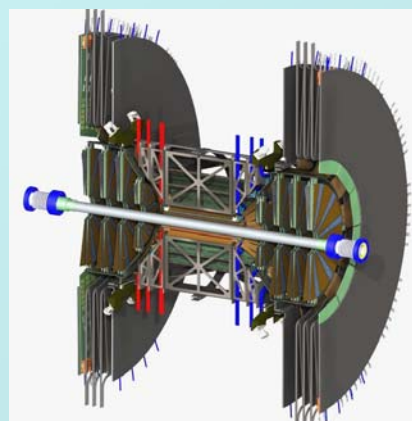
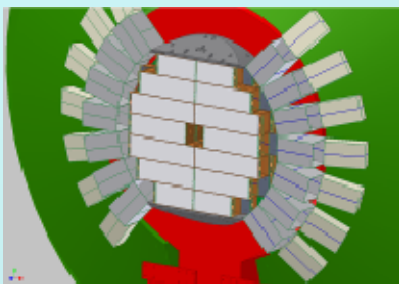
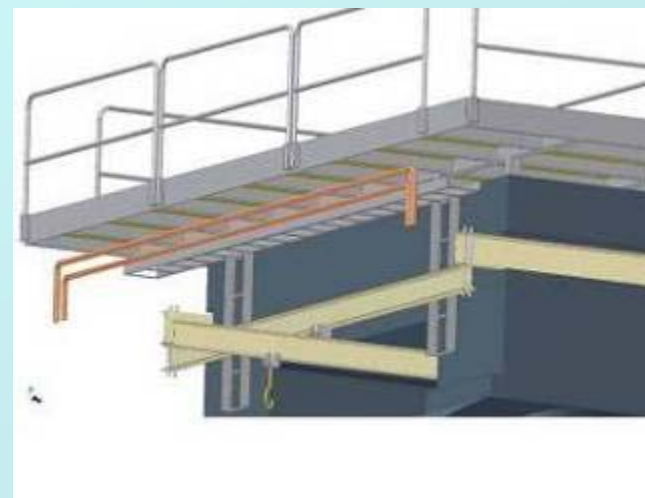


# This Week/Next Week

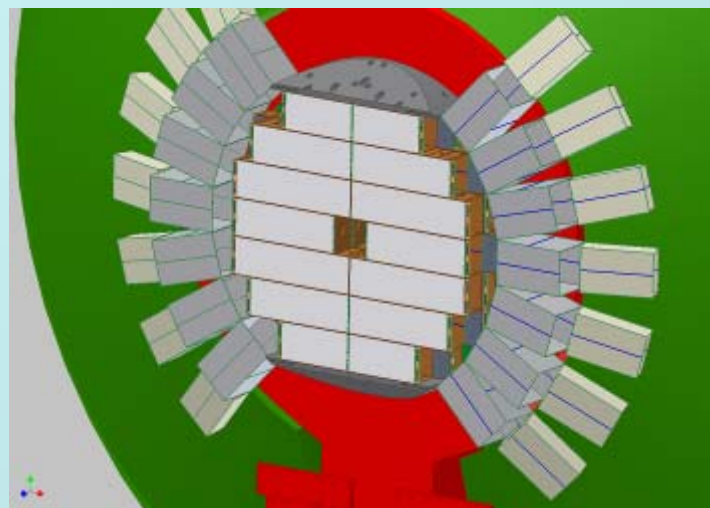
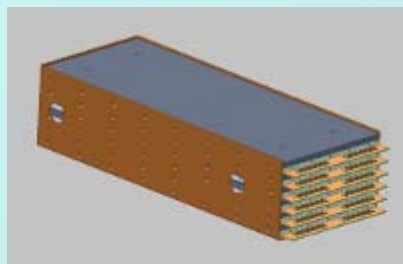
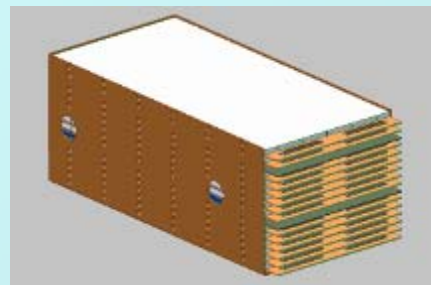
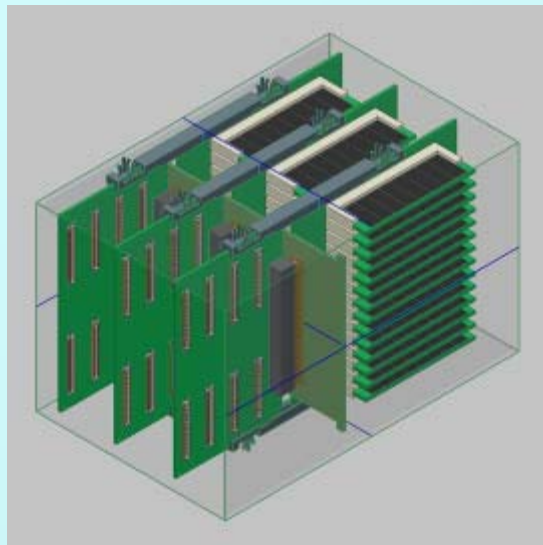
- Cosmic Ray Run support
- Drawing Database
- VTX prototype box
- PHENIX Procedure review continues
- CM Lift table wing hinges Done/extension @ CS
- Trailer offices
- Critical lift for MuID collars

## What's up for this year and beyond

- New CM Crane
- New Beam pipe design
- Muon RPC trigger
- VTX/FVTX integration
- NCC design
- MuTr upgrade
- Infrastructure improvements
- Gas system documentation (summer student)



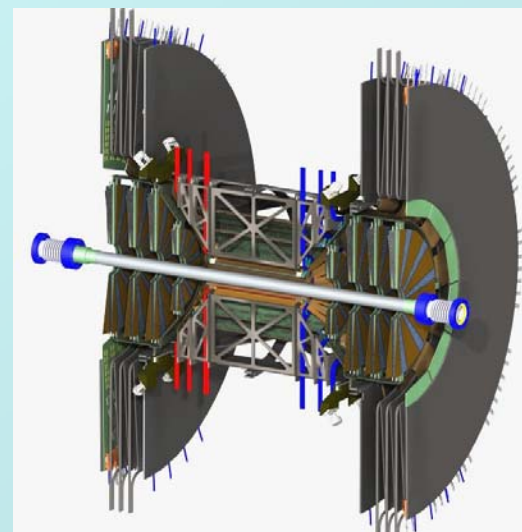
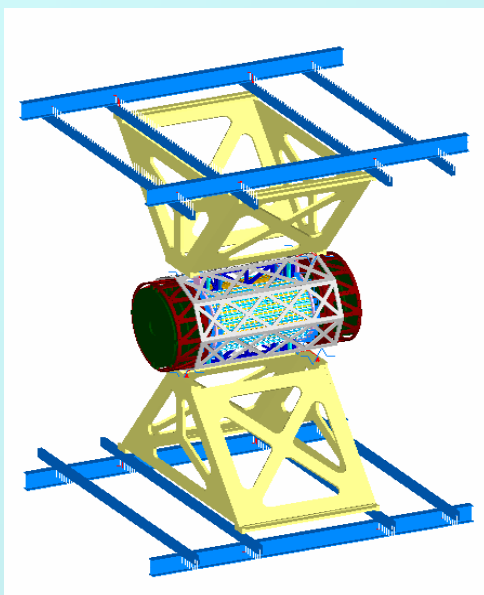
# Looking Ahead: NCC



T  
e  
c  
h  
n  
i  
c  
a  
l  
S  
u  
p  
p  
o  
r  
t  
+  
N  
O  
O  
7

# Looking Ahead: New Beam Pipe/VTX/FVTX

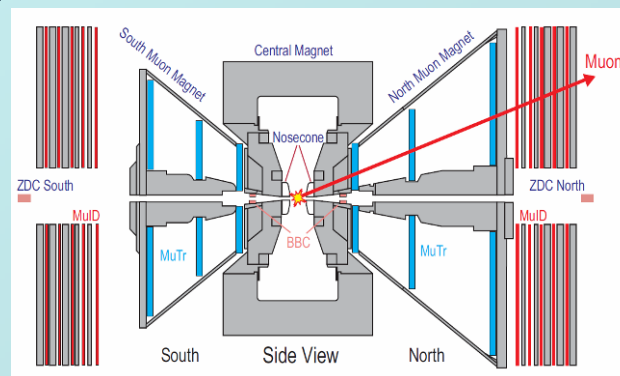
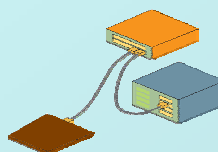
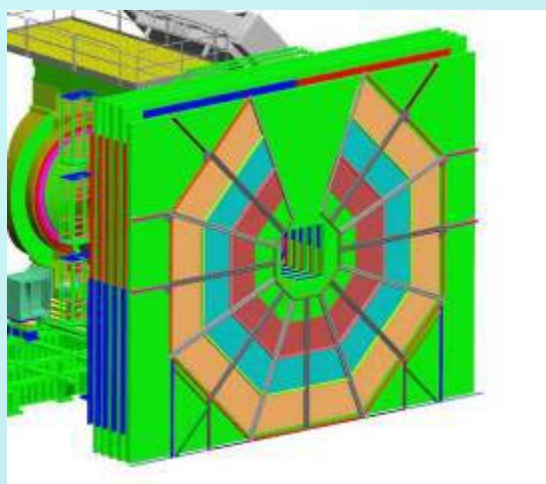
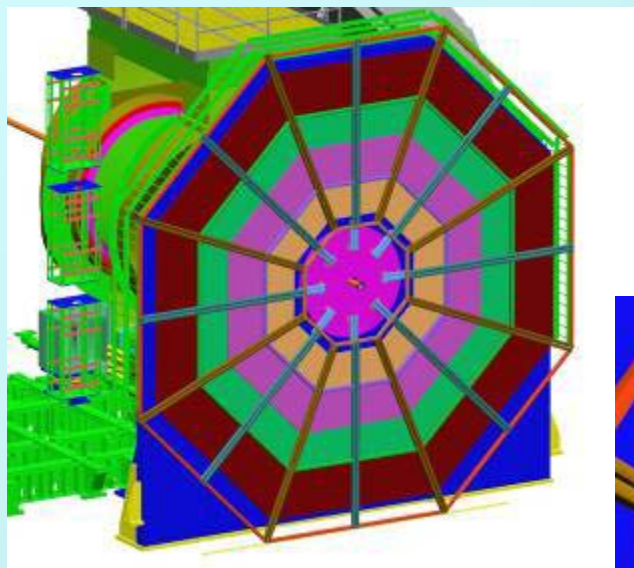
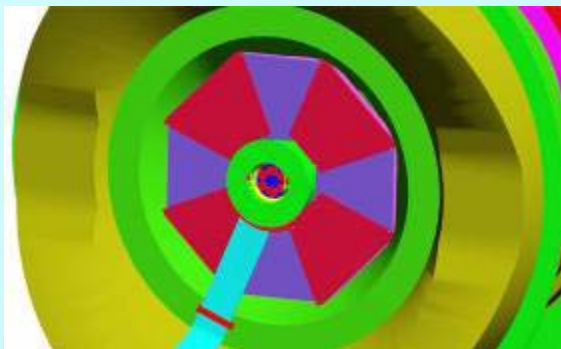
T  
E  
C  
H  
N  
I  
C  
A  
L  
S  
U  
P  
P  
O  
R  
T  
+  
2  
0  
0  
7





# Looking Ahead: Mu Trigger/ MuRPC

Technical Support 2007



# Looking Ahead: Long Range Schedule

Technical Support 2007

- **Summer 2007**

- MPC/MuTr/HBD/DC repairs + TBD detector repairs/maintenance
- Setup BNL RPC Factory
- Install FEE Upgrade 1 octant MuTR 1,2 South
- Install Access ladder to CM table, CM Crane

- **Summer 2008**

- TBD detector repairs/maintenance
- Install Cu absorber for 1 South octant, Install RPC 3 South
- Install FEE Upgrade MuTR 1, 2 South (all octants), Install LL1 South
- Install new beampipe

- **Summer 2009**

- TBD detector repairs/maintenance
- Install RPC 3 North, Install RPC 2 South and North
- Install FEE Upgrade MuTR 1, 2 North (all octants)

# Looking Ahead: Shutdown 2007

- End of Run June 30
- Purge gas DAQ closeout, etc. July 6
- Shield wall down/DC repair July 13
- EC out/ CM ladder installed July 20
- HBD East out / MMS lampshade off July 27
- MPC South Out / MuTR South 1,2 1 octant Aug 3
- MPC South Back in Aug 10
- MPC North repairs Aug 17
- HBD West out/ HBD East goes west Aug 24
- CM crane installed Aug 31
- TBD detector maintenance and repair Sep 21
- HBD West goes east Sep 21
- Detector repair commissioning and prep for run 8 Oct 12
- Run 8 beam Nov 1
- RPC Factory ???

T  
e  
c  
h  
n  
i  
c  
a  
l  
  
S  
u  
p  
p  
o  
r  
t  
  
+  
  
2  
0  
0  
7

# Where To Find PHENIX Technical Info



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:

[http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL\\_SSint-page.htm](http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm)